

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
5934-01-EMA

In Re Application Of: Steven Alan Dunham, et al.

09/719867

Serial No.

Filing Date

Examiner

Group Art Unit

Title: **METHODS OF IDENTIFYING AND CHARACTERIZING MUTATIONS WITHIN BACTERIAL DNA
GYRASE AND FABI**

Address to:

Assistant Commissioner for Patents
Washington, D.C. 20231

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application; within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or before the mailing date of a first Office Action on the merits, whichever event occurs last.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after three months of the filing of a national application, or the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or after the mailing date of a first Office Action on the merits, whichever occurred last but before the mailing date of either:

1. a Final Action under 37 CFR 1.113, or
 2. a Notice of Allowance under 37 CFR 1.311,
- whichever occurs first.

Also submitted herewith is:

- ☐ a certification as specified in 37 CFR 1.97(e);

OR

- ☐ the fee set forth in 37 CFR 1.17(p) for submission of an Information Disclosure Statement under 37 CFR 1.97(c).

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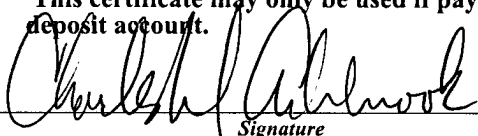
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 GYRASE AND FABI**
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(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

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Dated: December 18, 2000

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FORM PTO-1449 (Rev. 2-32) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 5934-01-EMA	SERIAL NO. 097719867
	APPLICANT STEVE ALAN DUNHAM, ET AL.	
	FILING DATE	GROUP

#7
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10.5.01

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 6 8 6 5 9 0	11/11/97	Jacobs, Jr. et al.	536	23.1	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	0 8 2 6 7 7 4	28.08.96	Europe				x
	0 0 8 1 0 7 8	15.06.83	Europe				x
	0 6 8 8 8 7 3	27.12.96	Europe				x

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc)

	PCT International Search Report, PCT/US99/22118
	Deguchi et al., "Quinolone-Resistant <i>Neisseria gonorrhoeae</i> : Correlation of Alterations in the GyrA Subunit of DNA Gyrase and the ParC Subunit of Topoisomerase IV with Antimicrobial Susceptibility Profiles", <i>Antimicrobial Agents and Chemotherapy</i> , Vol. 40, No. 4, 1996, pp 1020-1023 ✓
	Tanaka et al., "Development of Fluoroquinolone Resistance and Mutations Involving GyrA and ParC Proteins Among <i>Neisseria Gonorrhoeae</i> Isolates in Japan", <i>The Journal of Urology</i> , Vol. 159, 1998, pp 2215-2219 3
	Jones and Howard, "A Rapid Method for Recombination and Site-Specific Mutagenesis by Placing Homologous Ends on DNA Using Polymerase Chain Reaction", <i>Biotechniques</i> , US, Natick, MA, Vol. 10, No. 1, 1991, pp 62-66 4
	Kok et al., "Combining Localized PCR Mutagenesis and Natural Transformation in Direct Genetic Analysis of a Transcriptional Regulator Gene, <i>pobR</i> ", <i>Journal of Bacteriology</i> , Vol. 179, No. 13, 1997, pp 4270-4276 5
	Belland et al., " <i>Neisseria gonorrhoeae</i> acquires mutations in analogous regions of <i>gyrA</i> and <i>parC</i> in fluoroquinolone-resistant isolates", <i>Molecular Microbiology</i> , Vol. 14, No. 2, 1994, pp 371-380 6
	McMurry et al., "Triclosan targets lipid synthesis", <i>Nature</i> , Vol. 394, 1998, pp 531-532 8
	Deguchi et al., "DNA Gyrase Mutations in Quinolone-Resistant Clinical Isolates of <i>Neisseria gonorrhoeae</i> ", <i>Antimicrobial Agents and Chemotherapy</i> , Vol. 39, No. 2, 1995, pp 561-563 8
	Weigel et al., " <i>gyrA</i> Mutations Associated with Fluoroquinolone Resistance in Eight Species of <i>Enterobacteriaceae</i> ", <i>Antimicrobial Agents and Chemotherapy</i> , Vol. 42, No. 10, 1998, pp 2661-2667 9
	Heath et al., "Broad Spectrum Antimicrobial Biocides Target the FabI Component of Fatty Acid Synthesis", <i>The Journal of Biological Chemistry</i> , Vol. 273, No. 46, 1998, pp 30316-30320 10
	Macek et al., "Inhibition of <i>E. coli</i> Enoyl-Acyl-Carrier-Protein Reductase", <i>FASEB Journal</i> , Vol. 13, No. 7Sup, 1999, pp A1350, abstract

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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